

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Addiese: COMMISSIONER FOR PATENTS P O Box 1450 Alexandra, Virginia 22313-1450 www.wepto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,658	11/24/2003	John Terry	042933/303048	4642
826 ALSTON & B	7590 05/28/200 IRD LLP	EXAMINER		
BANK OF AMERICA PLAZA			DEAN, RAYMOND S	
	RYON STREET, SUII . NC 28280-4000	ART UNIT	PAPER NUMBER	
	,	2618		
			MAIL DATE	DELIVERY MODE
			05/28/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/720,658	TERRY ET AL.		
Examiner	Art Unit		
RAYMOND S. DEAN	2618		

	RAYMOND S. DEAN	2618				
The MAILING DATE of this communication appe	ars on the cover sheet with the	correspondence add	ress			
THE REPLY FILED 13 May 2008 FAILS TO PLACE THIS APP	LICATION IN CONDITION FOR A	LLOWANCE.				
 All The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Apper for Continued Examination (RCE) in compliance with 37 C periods: 	replies: (1) an amendment, affidav eal (with appeal fee) in compliance	it, or other evidence, v with 37 CFR 41.31; or	which places the r (3) a Request			
The period for reply expires 3 months from the mailing date	of the final rejection.					
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In one event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWIMONTHS OF THE FINAL REJECTION. See WPEP 706.07(f).						
Extensions of time may be obtained under 37 CFR 1,136(a). The date have been filled is the date for purposes of determining the period of ext under 37 CFR 1,17(a) is calculated from: (1) the expiration date of the s set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patient term adjustment. See 37 CFR 1,704(b). NOTICE OF APPEAL	ension and the corresponding amount hortened statutory period for reply orig than three months after the mailing da	of the fee. The appropri- inally set in the final Office	ate extension fee te action; or (2) as			
The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with the second process.	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the				
AMENDMENTS						
 The proposed amendment(s) filed after a final rejection, t They raise new issues that would require further cor They raise the issue of new matter (see NOTE belowed) 	sideration and/or search (see NO		cause			
 They are not deemed to place the application in beti appeal; and/or 	ter form for appeal by materially re	ducing or simplifying t	he issues for			
(d) ☐ They present additional claims without canceling a c NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally rej	ected claims.				
4. The amendments are not in compliance with 37 CFR 1.12	1. See attached Notice of Non-Co	mpliant Amendment (PTOL-324).			
 Applicant's reply has overcome the following rejection(s): 			,			
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	owable if submitted in a separate,	timely filed amendmen	nt canceling the			
7. For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows:						
Claim(s) allowed: Claim(s) objected to: Claim(s) rejected:						
Claim(s) withdrawn from consideration:						
 AFFIDAVIT OR OTHER EVIDENCE The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 						
D. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failled to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 4.133(d)(1).						
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER						
The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.						
12. Note the attached Information <i>Disclosure Statement</i> (s). (13. Other:	PTO/SB/08) Paper No(s)					
/Edward Urban/ Supervisory Patent Examiner, Art Unit 2618	/Raymond S Dean/ Primary Examiner, Art U 571-272-7877	Jnit 2618, May 23, 2	008			

U.S. Patent and Trademark Office PTOL-303 (Rev. 08-06)

Continuation of 11, does NOT place the application in condition for allowance because:

Examiner respectfully disagrees with Applicants' assertion on Page 4, 3rd Paragraph "Nowhere in the cited portion or any other portion of Kadous is there any mention, teaching or suggestionKadous is simply altogether silent and does not contemplate ...". Kadous leaches in Col. 4 lines 4 - 10, which was also cited by Applicants, that each data stream is modulated based on a particular modulation scheme selected for that data stream. Kadous further teaches in Col. 15 lines 59 - 63 that a separate modulation scheme is used for each data stream. The fact that there is a separate or particular for each data stream enders a myriad of scenarios such as Applicants' asserted scenario of the same modulation scheme being used for each data stream or a different modulation scheme being used for each data stream or a different modulation scheme being used for each data stream or a different modulation scheme being used for each data stream or a different modulation scheme being used for each data stream or a different modulation scheme being used for each data stream or a different modulation scheme being used for each data

Examiner respectfully disagrees with Applicants' assertion on Page 2, 4th Paragraph "Kadous is incapable of teaching or suggesting that a first mapper...", In CPOM, as Applicants have correctly asserted, is not employed then the modulation symbols are sent from the mapping elements (516) to the antennas via the TX MIMO processor. While the symbols are sent from the mapping elements (516) to the antennas via the TX MIMO processor said symbols are sent from the mappers. Applicants calim language does not distringuish from this indirect means of sending the symbols to the antenna thus Kadous still reads on the limitation in question.

Examiner respectfully disagrees with Applicants assention on Page 5, 5th Paragraph "As pointed out in the Amendment filed December 14, 2007, nowhere in the cited portion or any other portionmapped values differ and are formed of mutually exclusive elements ... Kadous, as set forth above, teaches a separate modulation scheme for each data stream such as BPSk for data stream 1 and QPSk for data stream 2. The BPSk constellation is different from the QPSk constellation in that the symbol values are fifterent. The I component value and the Q component value make up the symbol value. The I and Q component values of all of the symbols in a BPSk constellation that are different from I and Q component values of all of the symbols in a BPSk Constellation thus Kadous reads on the limitation in question.

Examiner respectfully disagrees with Applicants assertion on Page 7, 1st Paragraph "Kadous is simply altogether silent regarding ... in which the mapping schemes comprise vector magnitudes that differ." The I and Q component values of the symbols in a BPSK constellation are different from the I and Q component values of the symbols in a BPSK constellation. The the square root of the sum of the squares of the I and Q component values renders the length or magnitude of the vector thus since the that AQ component values in the QPSK constellation are different from the I and Q component values of the BPSK constellation the vector magnitudes generated from said component values will be different.